

Method for the Printing of Homogeneous Electronic Material with a
Multi-Ejector Print Head

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ABSTRACT

Printing systems are disclosed that produce homogenous, smooth edged printed patterns (such as integrated circuit (IC) patterns) by separating pattern layouts into discrete design layers having only parallel layout features. By printing each design layer in a printing direction aligned with the parallel layout features, the individual print solution droplets deposited onto the substrate do not dry before adjacent droplets are deposited. Therefore, printed patterns having accurate geometries and consistent electrical properties can be printed.